

6. (New) A radio receiver device, comprising:

at least a first variably tunable tuning stage for a first receiving range and a second variably tunable tuning stage for a second receiving range, the first variably tunable tuning stage and the second variably tunable tuning stage being capable of being switched separately;

a receiving antenna connected to the first variably tunable tuning stage and to the second variably tunable tuning stage;

a frequency converter stage;

a changeover switch for providing an optional connection of one of the first variably tunable tuning stage and the second variably tunable tuning stage with the frequency converter stage;

a changeover device; and

a mixing oscillator for converting a received high-frequency signal into a defined intermediate frequency, wherein:

in accordance with an operation of the changeover device, the mixing oscillator is able to be changed over in a tuning range to one of the first variably tunable tuning stage and the second variably tunable tuning stage in such a way that for the first receiving range of the first variably tunable tuning stage an oscillation frequency of the first variably tunable tuning stage is capable of being set above a frequency to be received by a quantity of the defined intermediate frequency, and that for the second receiving range of the second variably tunable tuning unit an oscillation frequency of the second variably tunable tuning stage is capable of being set below the frequency to be received by the quantity of the defined intermediate frequency.

7. (New) The radio receiver according to claim 6, wherein:

the mixing oscillator includes an oscillator coil provided with a tap, and

the mixing oscillator can be changed over through one of a switching effective and switching ineffective of the tap.

8. (New) The radio receiver according to claim 6, further comprising:

a coupling capacitor; and